

METHOD AND SYSTEM FOR RECOGNIZING END-USER TRANSACTIONS

Abstract of the Disclosure

A method and system are described for end-user transaction recognition based on server data such as sequences of remote procedure calls (RPCs). The method may
5 comprise machine-learning techniques for pattern recognition such as Bayesian classification, feature extraction mechanisms, and a dynamic-programming approach to segmentation of RPC sequences. The method preferably combines information-theoretic and machine-learning approaches. The system preferably includes a learning engine and an operation engine. A learning engine may comprise a data preparation subsystem
10 (feature extraction) and a Bayes Net learning subsystem (model construction). The operation engine may comprise transaction segmentation and transaction classification subsystems.

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